ANNUAL REPORT

for the year
ending July 31, 1986

Department of Education

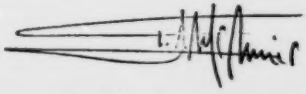
THE HONOURABLE ALAN R. ABRAHAM, C.D.
Lieutenant-Governor of Nova Scotia

Sir:

I beg to present herewith the report of the Department of Education for the year ending July 31, 1986.

I have the honour to be

Your obedient servant,



THOMAS J. McINNIS
Minister of Education

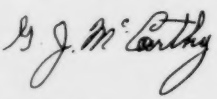
HONOURABLE THOMAS J. McINNIS
Minister of Education

Sir:

I have the honour to submit the annual report of the Department of Education for the year ending July 31, 1986.

I have the honour to be

Your obedient servant,



G.J. McCARTHY
Deputy Minister of Education

CONTENTS

DEPARTMENT OF EDUCATION ADMINISTRATIVE STRUCTURE . 9

Education Programs
- Curriculum Development . . . 13
- Inspection Services . . . 17
- Teacher Certification . . . 18
- Nova Scotia Teachers College . . . 19
- Education Resource Services . . . 21
  - Nova Scotia Museum . . . 21
  - Education Media Services . . . 23
  - Provincial Library . . . 25
- Publication and Reference . . . 26

Finance and Budgeting
- Research . . . 31
- School Planning and Conveyance . . . 31
- Public Education Grants and Finance . . . 33
- Financial Management . . . 34
- Universities and Colleges . . . 34
- Student Aid . . . 35
- Teachers' Pensions . . . 36

TABLES AND CHARTS . . . 37

DEPARTMENT OF EDUCATION: ADMINISTRATIVE STRUCTURE

In November, 1985 the Department of Education's major responsibilities for vocational, technical and continuing education, along with staff working in these areas, were transferred to a newly-formed department which was later named the Department of Vocational and Technical Training. Although most provincial government programs in these areas became the responsibility of the new department, provincial grants in support of school board vocational and continuing education programs continued to be provided through the Department of Education.

Following these changes, the Department of Education was organized into the two main administrative areas described below, each headed by a Chief Director reporting to the Deputy Minister of Education.

Education Programs

The Education Programs area includes the following divisions: Curriculum Development, Inspection Services, the Nova Scotia Teachers College, Teacher Certification, Education Resource Services, and Publication and Reference.

The Curriculum Development division, which is responsible for elementary and secondary education programs, co-ordinates curriculum development, recommends appropriate instructional materials for inclusion in the authorized lists, and provides consultant services. It assists in the planning and implementation of in-service programs and has consultants in a variety of subject areas. Curriculum Development also operates the Department's correspondence study service.

The staff of Inspection Services consult with school boards, school administrative staff, and the general public, and serve regionally as interpreters of departmental policy and procedures.

The Nova Scotia Teachers College provides a three-year teacher education program and also offers a variety of courses for teachers interested in furthering their professional education.

The Teacher Certification section supervises and maintains records on the registration and certification of teachers.

The Education Resource Services Program includes the Nova Scotia Museum, Education Media Services, and the Provincial Library. The Museum displays and interprets artifacts related to the natural, social, and marine history of the province, operates a number of historic buildings throughout Nova Scotia, and provides financial and advisory support to local museums. Education Media Services provides schools with the resources of a media library, an audio-visual equipment repair service, a microcomputer resource centre, and various audio-visual

productions, including educational television programming. The Provincial Library provides various services to the regional libraries of Nova Scotia and, in general, co-ordinates the library service of the province. The Provincial Library also provides assistance to schools through a Co-ordinator of School Libraries.

Publication and Reference publishes periodicals for teachers, consolidations of legislation, directories of schools, and various other bulletins related to education. This section also provides a general editing service for the department, answers inquiries from the public and the news media, and helps to arrange publicity for departmental events.

Finance and Budgeting

The Finance and Budgeting area includes the following divisions: Financial Management, Public Education Grants and Finance, School Planning and Conveyance, and Research. Also associated with the Finance and Budgeting area, for financial reporting purposes, are Teachers' Pensions and a Post-Secondary Education section.

The Financial Management division co-ordinates the budget presentation of the department, controls the internal financial operations of the department, operates a bureau which supplies school boards with textbooks and other learning materials, and maintains departmental personnel records.

Public Education Grants and Finance co-ordinates the provision of education grants to school boards.

The School Planning and Conveyance section co-ordinates and manages the school construction program and provides advice on the safe and efficient operation of pupil conveyance systems.

The Research division calculates grants to school boards in accordance with funding formulas, carries out educational research, maintains educational statistics, and provides advice on the development of management information systems for the department.

The Teachers' Pensions section administers the provisions of the Teachers' Pension Act and Regulations.

The Post-Secondary Education section includes a Financial Analyst and a Student Aid Office, which administer the Canada Student Loans and Nova Scotia Bursary programs. The Financial Analyst also liaises with the Maritime Provinces Higher Education Commission on financial matters relating to universities.

EDUCATION PROGRAMS

EDUCATION PROGRAMS

CURRICULUM DEVELOPMENT

Major activities of Curriculum Development, during the period of August 1, 1985, to July 31, 1986, included:

- Selection and evaluation of student and teacher materials and resources to be recommended for inclusion on the Authorized List of Instructional Materials in all subject areas. The focus has been placed on materials written and published in Canada.
- Participation in surveys conducted by the department for the purpose of assisting school boards to determine future objectives and courses of action. All professional members of the Curriculum Division participate in these surveys.
- Staff study in the development of critical and creative thinking skills, student and program evaluation, computer use in all disciplines, and language learning across the curriculum.
- Provision of assistance to school boards in curriculum leadership and evaluation.
- Revision of the Nova Scotia Tests of High School Achievement.

The following activities specific to particular curriculum areas were also carried out.

Career Education

The French version of *Careers Ahead* for grade 9 was published. A career education resource document for grade 7 has been completed and the first draft of the grade 8 resource document has been prepared.

In co-operation with the Maritime Provinces Education Foundation, a close reading test for grade 4 was made available and administered to all grade 4 Francophone students.

Computer Education

In co-operation with the Department of Development, funds were provided from the Off-Shore Development Fund to distribute approximately 1,100 new microcomputers and software to secondary schools in Nova Scotia.

Software evaluation continued across all subject areas and a detailed report of approved and rejected software titles was distributed to district boards. As a result, the first *Authorized List of Software Available to Schools* was published through the Nova Scotia School Book Bureau.

Evaluation of French computer software is continuing.

A provincial computer education workshop was held to train in-service leaders from all school boards. Materials were produced for their use in each district.

Task forces prepared draft guidelines for computer use in elementary, junior high school, and senior high school computer-related studies.

English Language Arts

English language arts for grades primary to 12 continued to be a curriculum priority during 1985-86. A guide, *Language Arts in the Elementary School,* was published and distributed. Provincial in-service for elementary curriculum supervisors and other selected personnel from each district was held to discuss the new guide with special emphasis on classroom strategies and communication with the public. Videotapes to support the new guide were produced for use by district board personnel. Regional in-service sessions on secondary English were held for selected junior and senior high English language arts teachers and supervisors.

French Language Arts

A task force worked on revision of guidelines for French language arts P-6. A provincial in-service session for the French language arts guide 10-12 was held in the fall of 1985. French language arts elementary curriculum supervisors attended in-service session with their English counterparts.

Industrial Arts

Work on major priorities identified by the Industrial Arts Needs Assessment Project continued during the year through the development of a Technology Education Resource Bank. Topics related to general curriculum priorities such as evaluation, inventing and brainstorming, and holistic competence are also included in this same resource.

Mathematics

Three provincially-organized, regional, three-day in-service sessions on high school mathematics were held during January-March 1986. One hundred fourteen teachers attended these workshops on the curriculum of the new 441 mathematics course in grade 12. These teachers then acted as local in-service leaders for their district boards. The focus of the workshops was on evaluation, including an assessment of problem solving and a critique of exams. A similar in-service was offered to 20 teachers in Sydney in July, 1986.

Study guides for MAT 431 were added to the Authorized List of Instructional Materials and the guides for MAT 441 were developed in preparation for the introduction of MAT 441 in September, 1986.

Physical Education

Two new curriculum guides are close to completion: an adaptive physical education curriculum guide for handicapped students and a daily physical activity curriculum guide for secondary students (grades 7-12). Provincial in-service plans for the implementation of these guides are being developed.

The implementation of daily physical activity (P-3) began in September, 1985. Piloting of the program and a search for support materials for grades 4 to 6 were undertaken.

Work was begun on the French version of the daily physical activity guide for P-3.

Science

The revision of the junior high school science guidelines was completed during the year and updating of the senior high chemistry guide has begun.

A task force reviewed the junior high French science program.

Social Studies

The major focus for this year was directed toward Maritime Studies, a joint co-operative project under the auspices of the Maritime Provinces Education Foundation. This major undertaking included work on the development of program guidelines and the piloting of support materials in preparation for implementation of this course in Nova Scotia in 1987 at the grade 9 level.

Work was continued on the French text of Maritime Studies and

a task force was initiated to revise guidelines for the 7-9 French social studies program, with special attention to the Maritime Studies course at grade 9 level.

* * *

Other activities of Curriculum Development included the following:

Alternative Programs

Alternative programs, including adjusted, intermediate industrial and work experience programs, were reviewed by school board and department staff jointly. Several alternative program pilots were approved and individual school boards were assisted with the development of course outlines.

Correspondence Studies

A total of 2,233 students registered in Public School Correspondence Study Courses, and 205 students registered in Technical Correspondence Study Courses. Revisions began on 11 courses and work was begun on developing one additional course. Chemistry 431 was made available to correspondence study students for the first time.

Personal Development and Relationships

Plans were made for developing a junior high course entitled *Personal Development and Relationships.*

Primary to Grade 2 Integrated Curriculum

Meetings were held with all district curriculum personnel to discuss the P-2 Integrated Curriculum document, currently in draft form. Following an analysis of responses and recommendations regarding the draft, the task force will begin revisions.

Special Education

Leadership training of school board supervisors continued to be emphasized during 1985-86. Two separate provincial meetings were held in which special education in relation to the Charter of Rights, school board responsibility, and supervisory activities, were discussed.

The Curriculum Division reviewed the programs of approximately

90 students who applied for funding to residential schools for the learning disabled and as well as numerous applications for the Youth Training Centre, Children's Training Centres, and the Residential Centre operated by the Department of Social Services.

Requests for evaluation of specific aspects of special education by some school boards were met. Conference programs for the Nova Scotia School Boards Association, and the second Northeast International Symposium were developed with the assistance of curriculum staff.

A French administrative guide for educable mentally handicapped children was published. First steps were taken for the development of a curriculum for educable mentally handicapped (EMH) students. This project is being undertaken in co-operation with New Brunswick and Prince Edward Island under the auspices of the Maritime Provinces Education Foundation.

Language Programs in Co-operation With the Secretary of State

Personnel in Curriculum Development administered several programs funded by the Department of the Secretary of State. These programs included the Summer Language Bursary Program, the Second Language Bursary Program, and fellowships, entrance, and travel bursaries for students seeking language immersion opportunities.

Special language projects were jointly sponsored by the Nova Scotia Government and the Secretary of State. These projects assisted in the implementation of French language programs and most school boards took advantage of this assistance.

The Official Language Monitor Program provided six full-time and twenty-eight part-time French monitors.

INSPECTION SERVICES

The province's 22 school boards were directly served by 11 Inspectors of Schools and 11 secretaries in field offices across the province. The Parrsboro field office was closed in February, 1986.

The central office administrative staff consists of a director, an assistant director and two secretaries. An assistant inspector of schools located in the central office has full-time responsibility in the Teaching Effectiveness program. The major responsibility of the assistant director is to provide leadership in school system surveys, evaluation, and work related to the Nova Scotia Achievement Tests and the Teaching Effectiveness Program.

Inspection Services completed survey reports for the Northside-Victoria and Yarmouth District School Boards. The on-site visits for the

Cape Breton District School Board were completed and the writing and editing of a report was under way at the end of the year under review. Preparations were made to begin the Halifax District School Board survey in November, 1986.

The inspectors supported improvement in both curriculum and instruction in the public schools by providing information and promoting in-service training on new programs and proposed changes. All board level in-services were reviewed and approved in advance by inspectors and all approved pilot programs were monitored. In addition, assistance with the interpretation of the provincial testing program was provided at the board level.

In a direct attempt to improve instruction in the public schools, Inspection Services conducted a program which implemented many of the recommendations of the Minister's Advisory Committee on Teaching Effectiveness. Twenty-seven in-services for principals were given throughout the province and three boards were given advice on new policies for teacher supervision. In addition, a summer workshop on teaching strategies was presented three times. Each session was attended by more than 25 principals.

The inspectors are the Minister's direct communication link with the school boards and the public. They attended all school board meetings and many of the board committee meetings. They communicated departmental policies and worked to help boards develop policies and procedures compatible with those of the department. They provided information for the Minister about local matters of concern and on occasion acted as an intermediary between the public and the school board.

In addition to providing their leadership and advice in all matters of public education, the inspectors worked on a regular basis with board administration to collect and verify data on enrolments, teachers, property service and special education for the purpose of determining provincial grants.

TEACHER CERTIFICATION

Teacher Certification now provides a great deal of the data entry service for the new Teacher Module, a computer data-base system. Replacing the former manual system, the computer data-base provides the section with day-to-day support in serving the teacher certification information needs of the department and various other users.

Seven hundred and six initial new teacher certificates were issued during the period August 1, 1985 to July 31, 1986.

On the completion of further study, 573 experienced teachers received higher certificates.

Regular certificates, specialist certificates, and permits were issued as follows:

TC 8	38
TC 7	171
TC 6	350
TC 5	1365
TC 4	313
TC 3	39
TC 2	27
TC 1	3
Under Regulation 48	20
VTC	86
T Permits	3
VT Permits	34
Total	2,449

NOVA SCOTIA TEACHERS COLLEGE

Enrolment of new students in the pre-service teacher education program offered by the Nova Scotia Teachers College was maintained at the established quota of 120. Despite the well-known shortage of teaching positions, applications in some of the program areas exceed admissions, often by three to one. The total number of new teachers graduated from all Nova Scotia teacher education institutions now seems close to being in balance with the number of jobs which become available, although a significant backlog of unemployed, or part-time teachers still exists in the province. Enrolment in the Child Development Services program, a co-operative venture of the departments of Education and Social Services, continues to increase. The Generic Skills and Job Readiness Training Program, operated by the Department of Vocational and Technical Training using Teachers College facilities, brought the total number of day-time students on the College campus close to the 600 mark in 1985-86.

Although total enrolments in continuing education courses continue to decline in response to changes in certification requirements introduced some years ago, interest in some continuing education courses remains high, especially in the areas of language arts and French.

Because of the emphasis on French education in the Nova Scotia school system, initiatives have been taken at the College to provide French education for practising teachers and for students in the pre-service program. The French Immersion program operated at the College by Université Sainte-Anne continued successfully in its second

summer in 1985 and was planned again for the summer of 1986. This program is designed primarily for those teachers who have been assigned to teach French at the elementary level. In addition, NSTC French courses have been taught through evening extension and summer school, with good enrolments. Six students from the College's regular teacher education program have been selected to take one semester of their required teacher education courses, in French, at Université Sainte-Anne in the fall of 1986, with financial assistance from the provincial allocation received from the Secretary of State's office. This experimental option is designed to enhance the student's cultural development and oral fluency in French, and will be watched with great interest.

Another innovation being attempted this year, with the co-operation of four of the universities with which the College has joint B. Ed. agreements, is the option of NSTC students attending the universities in their third year, and then returning to the College for their fourth and qualifying year. This should allow for a closer integration of the joint B. Ed. program. Because approvals for this option came from the universities late in the 1985-86 term, only three students are participating in 1986-87. Meanwhile, over 50 Teachers College graduates, some from this year's graduating class and others from as far back as the class of 1956, received their Bachelor of Education degrees from the universities this spring in the joint-degree program.

The College has been fortunate in having both a writer and an artist in residence during the year. Each of these artists has been allocated working space in the Learning Resources Centre, in return for which they offered assistance in their areas of expertise to students and faculty. Music and film have received enhanced attention this year, as well.

All student teacher-candidates are now required to take at least one non-credit course in computers in education, and one in the use of audio-visual materials in schools.

The College program review is now in the implementation stage. Recommendations for change will go to Program Council in the fall of 1986, and changes will be made where and when feasible. The primary concern will be to forge an even closer relationship between teaching theory and teaching practice. In connection with teaching practice, all five program areas are working to define more clearly expectations of student performance for each teaching practice session. The number of sessions has also been increased.

Enrolment statistics for the Teachers College are shown in the tables at the end of this report.

EDUCATION RESOURCE SERVICES

Nova Scotia Museum Complex

Over 7,000 artifacts and specimens were added to the provincial collection, through donation, purchase, funds from the Federal Cultural Export Review Board, or collecting in the field. Among these were a rare chronometer; the Lord Dalhousie collection of paintings, prints, drawings and maps assembled by the 9th Earl of Dalhousie who was Lieutenant-Governor of Nova Scotia; the Inglis-Quinlan collection, of which 18th and 19th century ceramics form the major part; turn-of-the-century medical instruments for the reconstruction of a doctor's office in Sherbrooke Village; archaeological artifacts from 51 sites at Lake Rossignol; and a large collection (more than 3,000) of insects. In addition, as many as 150,000 specimens of fossils collected by two American researchers near Parrsboro under a Special Places Permit will be incorporated into the collection after they have been processed.

The demands of collection management and public requests left less and less time for research, evaluation and planning; however, ecological studies were carried out at Fenwick in Cumberland County, Wilson's Lake in Yarmouth County, and MacFarlane Woods in Inverness County in support of the Special Places Program. In addition, funds from National Museums of Canada continued to support the cataloguing of accessions and their entry into a computerized inventory system.

The Nova Scotia Museum and Maritime Museum of the Atlantic held a total of 29 temporary exhibits over the year to mark special events (e.g., *Halifax Explosion, Battle of the Atlantic)*; in co-operation with local societies (e.g., *Spring Orchid Display, The Terence Bay Wreck)*; to show results of research (e.g.,*Recent Archaeological Projects in Nova Scotia, Silent Steeds: Nova Scotia and the Bicycle Boom)*; or from other institutions (e.g.,*Parks Canada Centennial, Changing Tides* -UBC Museum of Anthropology). In addition, the Nova Scotia Museum with funds from National Museums of Canada circulated 18 travelling exhibitions to centres in Nova Scotia for a total of 41 showings. Nine of these exhibitions were borrowed from other institutions and nine were produced by the Nova Scotia Museum. One of these, *The Girl Guide Show*, has encouraged excellent community participation during its travels.

Staff answered thousands of public and professional enquiries and requests for identifications, lectured at local institutions, universities, clubs and societies, and gave media interviews, as well as assisting in the long list of varied in-house public programs. All branches contributed to these programs -- from an important archaeological lecture series,

demonstrations of traditional skills and workshops, to garden parties and field trips. Approximately 350 different programs were offered to the public over the year.

Close co-operation with the Department of Tourism helped produce some effective advertising for tourists; overall attendance for the Complex increased over the previous year.

School loan kits were borrowed by 2,435 teachers from 15 distribution centres throughout the province. At the main branch, 11,000 students attended pre-arranged school classes taught by volunteers who gave 4,000 hours of time. Ross Farm, the Fisheries Museum of the Atlantic, Firefighters Museum of Nova Scotia, Ross Thomson House and Maritime Museum of the Atlantic also offered special programs for students in addition to the casual tours that took place at every one of the branches (for a total of 44,700 student visits). A new program for day-care groups developed at the main branch to operate without museum staff proved very successful.

Grants to 47 local museums, totalling $522,771, were given. This included funding to the Old Sydney Society to operate a year-round history and natural history museum in the Lyceum.

Federal/provincial funding for a Museum of Industry and Transportation at Stellarton was announced in September, 1985 by the Honourable John Buchanan and the Honourable Elmer MacKay. The first staff member, a curator, was hired, the site was acquired as a donation from Mr. William Sobey, and architectural planning began.

Staff were active in preparation of both technical and interpretive printed materials, often in co-operation with other agencies. In this latter category were contributions made to the *Nova Scotia Resources Atlas, Nova Scotian Heritage Resources* brochure, the *Maritime History Bird Atlas* project, and *Special Places, Common Places.*

In-house publications included four "Infos," one issue of "The Occasional" a journal for Nova Scotia museums, two curatorial reports, six newsletters, a set of interpretive posters on Acadians and three books: *Silent Steeds: Cycling in Nova Scotia to 1900, The Natural History of Nova Scotia, Vol. I & II,* and *The Ross Farm Story* (revised edition). In addition to revising and reprinting various branch brochures and the annual "Learning Resources Catalogue," a new brochure entitled *Protecting Fossils and Artifacts* was written to support the Special Places Program.

Once again, funds from the Provincial Employment Programs made it possible to refurbish school loan materials, hire sufficient summer staff at branches, reorganize collection areas, do preliminary research for new school programs, maintain larger artifacts (vessels and locomotives), etc.

Among other highlights of the Museum's activities were:

- An interpretive and participatory exhibit describing steam power was installed at the Sutherland Steam Mill.

- Ross Farm Museum received sufficient funding to continue its school program throughout the winter months.

- A steel-hulled side trawler, the *Cape Sable* refurbished by staff, joined the *Theresa E. Connor* alongside the Fisheries Museum of the Atlantic, giving the public access to two fishing vessels at that museum.

- Greenwood Cottage, the largest house in the Sherbrooke Village Restoration Area, representing a wealthy merchant's house c. 1870, was officially opened by the Premier in September, 1985.

- Shand House in Windsor was opened to the public as the twenty-third branch of the Nova Scotia Museum Complex.

- A major restoration of the portico at Uniacke House was carried out which included the replacement of columns and balustrades in the original design.

- The book collection at Haliburton House was completely catalogued.

Education Media Services

A new film catalogue was produced and distributed to give all schools and public education institutions of the province information about the 3,500 film titles available from the department's media library. During the year, approximately 60,000 film bookings were arranged.

Demand for the video duplication service continued to grow and some 300 new titles were made available.

Education Media Services represents the three Maritime Departments of Education in scheduling and operation of the four-hour daily educational time block on the Atlantic Satellite Network (ASN). This year, for the first time, a film and video preview period was arranged on ASN to allow teachers in the Maritimes to evaluate films being considered for purchase.

The CBC television transmission system was used to provide

elementary schools with support materials in French language arts, physical education, daily physical activity, social studies, health, guidance, music and art. In all, 150 hours of telecast time was made available.

The repair service handled approximately 2,000 items of audio-visual equipment.

Audio-visual productions included the following:

Four sound filmstrips: "*Alice Hagen*"; "*Law Courts of Nova Scotia*" (co-produced with the Public Legal Education Association); "*Sorry I Didn't Know*" (a co-production with the Nova Scotia Teachers Union, dealing with racial discrimination in schools); "*Careers in Agriculture*" (co-produced with the Province of New Brunswick).

Ten videotaped productions: "*Micmac Economy: Wreath Making* (first in a series on the present-day culture of Micmacs); "*To Hear, To See, To Learn*" (services and facilities offered by the Atlantic Provinces Special Education Authority); "*Your Municipal Government*" (a make-over of a program produced in Ontario. This program was telecast during Municipal Awareness Week; "*Premières Terres Acadiennes Promo*" (a promotional program on the Acadian video series produced in 1984); "*It's an Open Book*" (Regional Library system of the province); "*What is 'Whole Language'* " (for parents and school board members on the newly-introduced language arts program at the elementary level); "*Nova Scotia School Debate Final*" (done for Education Week on the high school debating final); "*A Little R & R*" (for Vocational and Technical Training and the Department of Labour on the New Occupational Health and Safety Act); "*Sherbrooke Village*" (a promotional program on the restored village); and "*Hunter Safety Course*" (produced for Voluntary Economic Planning).

Five special productions:

Daily Physical Activity Kit - A kit of materials was prepared for distribution to all elementary schools. In all, 1,400 tapes were produced and distributed along with the teachers' guides.

Micmac Hymns - In co-operation with the Micmac Association for Cultural Studies, an audiotape of traditional hymns was produced and distributed to all Bands in the province.

Teaching Effectiveness Kit - A set of video cassettes of model teaching sessions was produced for use with the province-wide teaching effectiveness workshops.

Atlantic Provinces Transparency Masters (second edition of this very popular kit).

Canadian Literature Series - The department received the master set of 25 programs on the Canadian Literature Series. The Maritime Media Committee arranged for the production of four programs which are now available for all senior high schools.

Media Services continued work on a catalogue of resources to support the new Maritime Studies course. This involved the identification and evaluation of resources, the clearing of copyright, and the development of a classroom wall map of the Maritimes and a set of overhead transparencies.

Support was offered to seven independent film producers in the province. Two productions were completed during the year and added to the media library. "*The Lamplighter*" is based on the life of Abraham Gesner; the other film is designed to discourage children from smoking. Video duplication rights were obtained for both projects.

The Microcomputer Training Lab and Demonstration Centre were in almost constant use throughout the year; a large number of teachers and administrators made use of these facilities either as a part of a workshop or on an individual basis. Equipment in both facilities was updated and a number of new components were evaluated. Assistance was also given to other departmental divisions on hardware and software.

Assistance was given in the planning and development of the the Council of Ministers of Education database of evaluation information on educational software in use in Canada. Information from this system is now being made available to all schools.

The CHOICES program for use by guidance teachers was conducted under a joint provincial agreement. In addition, newer versions of the career aid program were reviewed and information was sent to schools.

Provincial Library

Action on improvements in public library facilities was taken in several areas. A new branch library was officially opened on October 30, 1985 in the community of Advocate Harbour; the Province and Pictou County Council approved funding to permit the establishment of a public library in River John; and on March 3, 1986, area residents and officials celebrated the move of the North Sydney library into newly-renovated quarters in a former bank building.

Education Media Services and the Provincial Library, in co-operation with all the regional libraries, scripted and filmed a promotional video on public libraries entitled, "It's an Open Book".

The Provincial Library was one of ten libraries in Canada to participate in a pilot project, co-ordinated by the National Library, to test an interlibrary loan protocol for message exchange via electronic mail services. Between October and December 31, 1985 Nova Scotia's eleven regional libraries tested the use of electronic mail for interlibrary loans. All but Cape Breton Regional Library stayed with the project until June 1986 because of the dramatic speed-up of interlibrary loan services.

The National Library of Canada initiated a six-month project in October whereby the University of Alberta and the Nova Scotia Provincial Library used telefacsimile equipment for the transmission of interlibrary loan transactions. Nova Scotia libraries benefited greatly from this pilot project and were impressed with the same-day service from the National Library of Canada.

A display on Nova Scotia was prepared for the 1985 annual conference of the International Association of School Librarianship in Kingston, Jamaica, and was followed up with a presentation during the conference. In 1986, this international conference was held in Halifax (July 27-August 1) with the Minister of Education addressing the opening session.

Between October and November, 1985 Provincial Library staff members took part in the Department of Education survey of the Cape Breton District School Board.

During the year under review, 15,753 new titles were catalogued and added to the regional libraries microfiche catalogue, an increase of 27 per cent over the previous 12 months. Volumes processed and shipped to the regional libraries increased by 11 per cent to a total of 61,480.

PUBLICATION AND REFERENCE

Publication and Reference is responsible for answering general telephone and written inquiries from students, teachers, parents, the news media, other education departments or institutions, and the general public.

Departmental publications produced by the section included the annual directory of schools, the *Journal of Education*, and the *Education Nova Scotia* bulletin, containing official notices, articles on departmental policies, and miscellaneous information for teachers.

Assistance was provided by the Publications and Reference section

to other sections of the department in the production of curriculum documents and other miscellaneous publications.

Announcements requiring rapid distribution among educators throughout the province were issued as mimeographed releases.

FINANCE AND BUDGETING

FINANCE AND BUDGETING

RESEARCH

Research collects, processes and reports information concerning enrolments, teachers, subjects, finance and student achievement in the public school system of Nova Scotia. The past twelve months have seen major changes in two of the information modules: teachers and subjects. These changes will greatly enhance Research's ability to produce reports, decrease inconsistencies in data, and reduce duplication of effort. The teacher module has been completely rewritten to enable direct access to the information through hardware located in Research and to provide more timely reports. The subjects module has been successfully moved from an outside data processing service to the mainframe at Government Services in order to allow integration with other systems and to provide more complete reporting for analysis.

Revision of these two modules has enabled Research to ensure that new reports are more responsive to the questions asked by senior management, directors, and others concerned with policy making and planning for the school system. The usefulness of the new modules has been demonstrated through success in satisfying the increasing demand for information. Expanded in-house technology has allowed improved reporting as well.

The Nova Scotia Achievement Test program at Level 9 and 12 continued over the past year, with revisions made in reporting to allow a wider use of the data and to assist as much as possible with curriculum development, both at the local and provincial levels. A linking study to compare results of the same groups of students over time between Levels 9 and 12 has been carried out, and the results will be distributed and discussed with the school boards in the fall of 1986.

The General Education Development (GED) Program continued, testing 2,500 adults with approximately 68 per cent of these increasing their educational qualifications to the grade 12 level.

SCHOOL PLANNING AND CONVEYANCE

School Planning

Nine school capital projects, with a total value of $23,288,000, were approved during the year under review.

Date	School Board	Project
6/8/85	Cape Breton District	Macdonald High School
6/8/85	Kings County District	Kentville Schools--Addition and Alterations

22/10/85	Hants West District	Brooklyn District Elementary--Addition and Alterations
29/10/85	Shelburne County District	Lockeport Regional High--Addition and Alterations
29/10/85	Yarmouth District	Yarmouth Memorial High--Addition and Alterations
29/10/85	Colchester-East Hants	Rawdon Elementary--Addition and Alterations
4/3/86	Cape Breton District	Coxheath Elementary--Addition and Alterations
22/4/86	Halifax County-Bedford	Astral Drive Junior High School
22/4/86	Halifax County-Bedford	Wellington Elementary School

Four projects were completed during 1985-86: a new elementary school; a new elementary-junior high school; an addition and alterations to an existing elementary school; and an addition and alterations to an existing high school. In total, the projects created the following additional instructional areas; 35 classrooms, 18 specialist areas; 4 special education classrooms; 4 libraries; 3 gymnasiums; and 1 cafeteria.

The Department of Government Services carried out the planning and construction-related activities on the approved and completed projects for the Department of Education on behalf of the school boards.

Nine emergency projects, with an estimated cost of $520,355, were approved during 1985-86, and nine asbestos abatement projects, with an estimated cost of $300,094, were carried out during this period.

School Planning staff participated in school system surveys conducted by Inspection Services.

Pupil Transportation

Staff participated in audits of school boards to verify the numbers of eligible students for transportation funding purposes as specified in the regulations. Audits were completed on five district school boards.

Staff continued to be involved in conducting comprehensive conveyance system studies for school boards in an effort to improve the efficiency of school conveyance operations.

Two approved pilot projects on computerized school bus routing programs were monitored with selected school boards in an effort to determine the advantages of adopting such systems.

Staff participated in the Nova Scotia Safety Council Conference and in the Sixteenth Annual Pupil Transportation Conference held in

Dartmouth. At the latter conference, the Dr. H.M. Nason Achievement Award was presented to the Yarmouth District School Board. The Second Place Award was presented to the Hants West District School Board, on behalf of the Department of Education, the Department of Transportation, and the Board of Commissioners of Public Utilities. Staff also participated in the organization and procurement of the Nova Scotia School Bus Contractors Achievement Trophy, recognizing the most efficient private school bus contractor in the province. The 1985 Award was presented to Mr. Gerald Bezanson, a contractor from the Kings County District School Board.

Pupil Transportation participated in school system surveys conducted by Inspection Services, and was involved in the follow-up consultation with school boards involved with the system surveys. Other activities included assistance with in-service training sessions conducted by district school boards for conveyance staffs, and participation in the development of a proposed school bus drivers course.

PUBLIC EDUCATION GRANTS AND FINANCE

Public Education Grants and Finance is responsible for the co-ordination of provincial grants to public school boards and municipal units. These grants account for more than 80 per cent of the department's ordinary expenditures.

The division, through the accounting and control officers, maintains close liaison with school board officials and performs audits and routine checks on expenditures of all grants made. Staff also participate in school system surveys, under the leadership of Inspection Services.

Effective January 1, 1986 global grants were provided to school boards under the following categories: general formula, property service, student transportation, summer school, adult education, and board of students. The driver education grant was also global up to the end of the year under review, although it became a specific purpose grant, effective August 1, 1986. The special education grant was in the specific purpose category throughout the year. A specific purpose grant must be spent by the school board for a purpose specified by the province and any amounts not used for that purpose are recoverable by the province. The capital equipment and repair and renovation grant, although not recoverable by the province, is non-global in that its use is restricted to specified purposes.

Aside from adjustments in funding rates, changes in the grant arrangements introduced in early 1986 included: introduction of weighting factors especially for one-year business education and intermediate industrial students; a new "small school board" supplementary grant;

simplification of the transportation grant formula which was accomplished by eliminating the count of "eligible students" and, instead, using the entire funding enrolment multiplied by appropriate weighting factors; and introduction of a "minimum increase provision" that ensured that every board would receive at least a one per cent increase in provincial operating grants in 1986, despite declines in enrolments.

Other financial support to school boards included the per-pupil credit allocation at the Nova Scotia Book Bureau, grants for emergency capital purposes, and grants to cover capital debt repayment costs on funded debt for approved capital projects.

FINANCIAL MANAGEMENT

The Financial Management Section is responsible for controlling the internal financial operations of the department, co-ordinating the preparation of the department's budget presentation, and maintaining personnel records.

This section also operates the Nova Scotia Book Bureau, which is the storage and distribution centre for the texts and other learning materials prescribed for use in the public schools of Nova Scotia. The bulk purchasing procedures and central warehousing facilities of the bureau ensure that these materials are made available to boards at the lowest possible cost. Further information describing the bureau's operations is given in the statistical table section of this report.

UNIVERSITIES AND COLLEGES

Unrestricted operating grants to universities and colleges, including the grant to the Atlantic Veterinary College, totalled $162,727,702 in the 1985-86 fiscal year, representing an increase of $6,635,944 or 4.3 per cent over similar grants of $156,091,758 provided in 1984-85. Allocation of these grants among the various institutions is shown in the statistical table section of this report. In addition, restricted grants of $1,535,450 were made to assist the institutions with equipment purchases and building renovations and alterations. Capital debt charges grants of $8,639,421 were also provided on behalf of the universities to offset principal and interest payments due the province on outstanding capital loans.

A new capital loan of $3,000,000 was approved during this fiscal year to assist Saint Francis Xavier University to construct an addition to their library and $1,500,000 of this loan was advanced during the year. Final capital advances of $267,556 were also made in 1985-86 to Dalhousie University on the loan previously approved for the

reconstruction of the Forrest Building.

During the 1985-86 fiscal year, the province provided capital grants of $1,945,175 to the Maritime Forest Ranger School. This amount was Nova Scotia's share of construction costs incurred during the year for this regionally-funded project.

Enrolments in universities and colleges in Nova Scotia increased by 2.3 per cent in 1985-86 and were as follows:

	1985-86	1984-85
Full-time enrolments		
Degree	23,664	23,162
Technical	959	930
Full-time equivalent of part-time enrolments	3,633	3,523
Total	28,256	27,615

The differential fee for foreign students was increased to $1,435 in this fiscal year for these students in the system at September 1, 1985, and $1,700 for students entering the system after that date. The fee in 1983-84 was $1,375 for all foreign students. The number of full-time equivalent foreign students in Nova Scotia universities decreased to 1,411 in 1985-86 compared to 1,606 the previous year.

STUDENT AID

The Student Aid section of the Department of Education administers the Nova Scotia Bursary Program and, on behalf of the Government of Canada, the Canada Student Loans Program. The objective of these programs is to provide financial assistance, in the form of provincial bursaries and federally-guaranteed loans, to eligible post-secondary students to ensure that all qualified students have the opportunity to meet their educational potential.

During the 1985-86 academic year, the maximum Canada Student Loan was $105 per week of study, and the maximum Nova Scotia bursary was $1,700. Maximum financial assistance available to a student enrolled in most university undergraduate programs in the 1985-86 academic year was $5,270, of which $3,570 was in the form of a federally-guaranteed Canada Student Loan and the remaining $1,700 was a Province of Nova Scotia bursary. This remained unchanged from

1984-85. Students in programs longer than the normal 34-week university undergraduate program were eligible to receive additional aid under the Canada Student Loans Program at the maximum rate of $105 for every week of study.

The 1985-86 academic year was the first year in which student aid applications were processed through the new computerized system. The initial difficulties encountered in changing from a manual to a computerized system were resolved and significant reductions in the time required to process applications are expected in future years.

Further information on the Student Aid program is included in the statistical table section of this report.

TEACHERS' PENSIONS

Several major amendments were made to the Teachers' Pension Act and Regulations. The Act was amended to waive the requirement that teachers must return to teaching for 50 days before being allowed to repay a refund. Two changes were made to the Regulations. Teachers are now permitted to purchase teaching time in a post-secondary institution anywhere in Canada. Previously, such service had to be in Nova Scotia. The program whereby teachers may purchase one year of pre-employment training was scheduled to expire on July 31, 1986. It has now been extended to July 31, 1988.

Statistical information on the Teachers' Pension Fund is included in the tables at the end of this report.

TABLES AND CHARTS

Summary of Statistics, 1985-86 . . . 39
Summary of Grants to School Boards and Calculation of Cost Per Pupil, 1978-1985 . . . 40
School Board Funding, 1974-1985 . . . 41
School Board Expenditures, 1985 Calendar Year . . . 42
Total Expenditures Per Pupil, 1974-1985 . . . 43
Department of Education: Summary of Operating Expenditures, April 1, 1985 to March 31, 1986 . . . 44
Enrolments by Age, Grade, and Sex: Provincial Summary, September 30, 1985 . . . 45
Enrolments by School Board, 1976-77 to 1985-86 . . . 50
Pupil/Teacher Ratio by School Board, 1976-77 to 1985-86 . . . 52
Teachers by Certificate and Years of Service, September 30, 1985 . . . 53
Teachers by Certificate by Board, September 30, 1985 . . . 54
Teachers by Certificate for Selected Years . . . 55
Number of Teachers by Board, 1976-77 to 1985-86 . . . 56
Teachers by Certificate, Age, and Sex, September 30, 1985 . . . 57
Teachers by Levels Taught and Certificate, February, 1986 . . . 60
Teachers by Certificate and Degree, September 30, 1985 . . . 61
Ratio of Administrators, Specialists, and Regular Teachers Per Student, September 30, 1985 . . . 62
Distribution of Teachers by Certificate and Sex, September 30, 1985 . . . 64
Teachers by Certificate and Position, September 30, 1985 . . . 65
Average Salary Per Teacher, September, 1985 . . . 67
Average Salary Per Teacher, 1974-1985 . . . 68
Teacher's Pension Commission
- Auditor's Report . . . 69
- Balance Sheet as at March 31, 1986 . . . 70
- Statement of Continuity of Fund for the Year Ending March 31, 1986 . . . 71
- Notes to Financial Statements . . . 72
- Number of Teacher-Pensioners . . . 74

Nova Scotia School Book Bureau: Statement of Operations for the Fiscal Year April 1, 1985 to March 31, 1986 . . . 75
University and College Enrolments, 1984-85; 1985-86 . . . 76
Nova Scotia Teachers College Enrolments, 1985-86 . . . 77

Assistance to Universities, 1984-85; 1985-86 78
Student Aid, 1984-85; 1985-86 79

SUMMARY OF STATISTICS
1985-86

	1985-86	Increase (Decrease) from 1984-85
School Boards (1985-86 Academic Year)		
Number of Boards (September 30)	22	0
Number of Schools (September 30)	554	(9)
Teachers (September 30)	10,751	(63)
Pupils (September 30)	172,614	(2,568)
Elementary (P-6, plus Special Education)	89,736	(1,467)
Junior High (7-9, plus Special Education)	44,495	(676)
Senior High (10-12 plus Business Education, Vocational[1] and Special Education)	38,383	(425)
Pupil/Teacher Ratio	16.1	(.1)
Average Class Size	23.4	(.2)
Expenditures on Public School Education (1985 Calendar Year)[2]		
Municipal Contribution	$ 96,924,005	$ 8,330,566
Other Board Revenues	22,685,653	2,233,959
Provincial Grants (operating & capital)	490,848,165	22,219,420
Total Expenditure	610,457,823	32,783,945
Per Capita Expenditure[3]	699	40
Per Pupil Expenditure	3,537	239
Percentage of Provincial Grant to Total School Board Expenditure	80.3%	(.8)

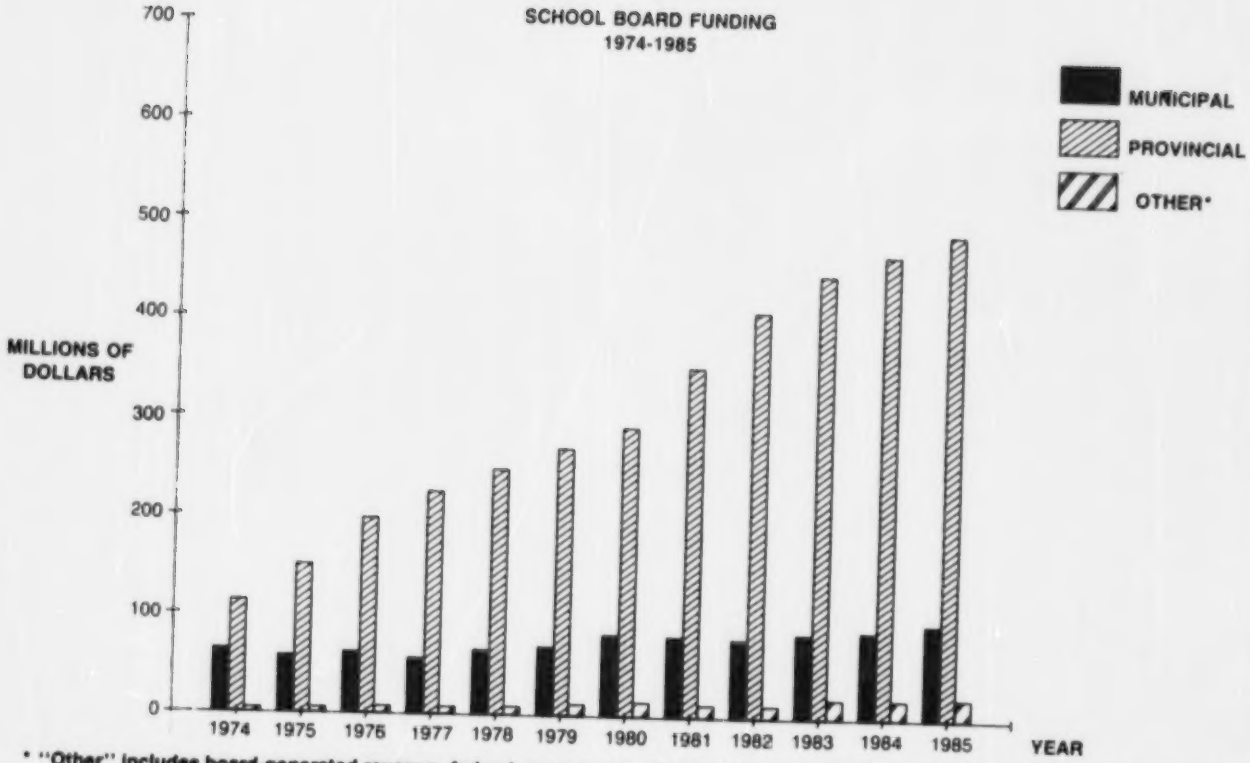
[1]Does not include students in the 11 regional vocational schools operated by the Department of Vocational and Technical Training.
[2]Final expenditure by school boards as reported in school board financial statements and Department of Education records.
[3]Based on the estimated total population of Nova Scotia.

SUMMARY OF GRANTS TO SCHOOL BOARDS AND CALCULATION OF COST PER PUPIL 1978-1985

Calendar Year	Number of Teachers Sept. 30	Enrolment Sept. 30	Provincial Grants	Municipal Appropriations	Other Board Revenues*	Total Funding	Cost Per Pupil
1978	11,101	194,070	247,727,148	65,699,052	9,296,900	322,723,100	1,663
1979	11,072	189,258	269,852,270	69,728,230	12,070,200	351,650,700	1,858
1980	11,016	185,585	292,324,141	82,810,059	15,211,100	390,345,300	2,103
1981	11,000	181,685	352,634,185	82,461,345	13,356,832	448,452,362	2,468
1982	10,961	179,302	410,045,141	80,364,343	13,367,676	503,777,160	2,810
1983	10,770	177,240	447,930,131	85,679,306	20,474,781	554,084,218	3,126
1984	10,814	175,182	468,628,745	88,593,439	20,451,694	577,673,878	3,298
1985	10,751	172,614	490,848,165	96,924,005	22,685,653	610,457,823	3,537

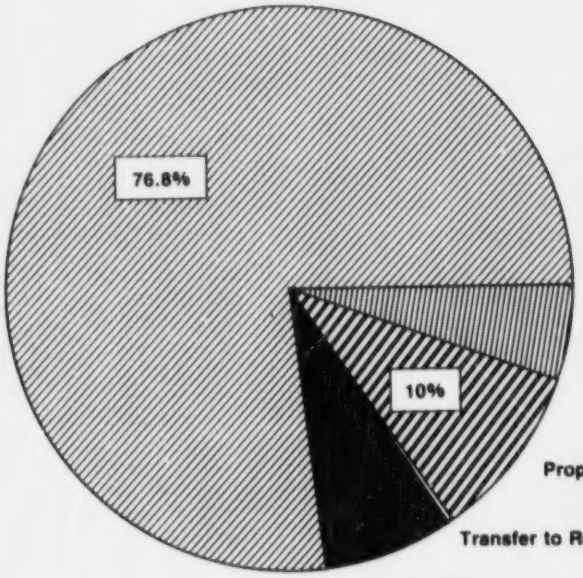
* Other Board Revenues include board generated operating revenue (e.g. rental of facilities, investment income), federal revenue (e.g. DND payments, French programs), tax rebates, payments from other boards, and revenue from reserves or prior surplus.

Does not include the eleven Regional Vocational School Boards.

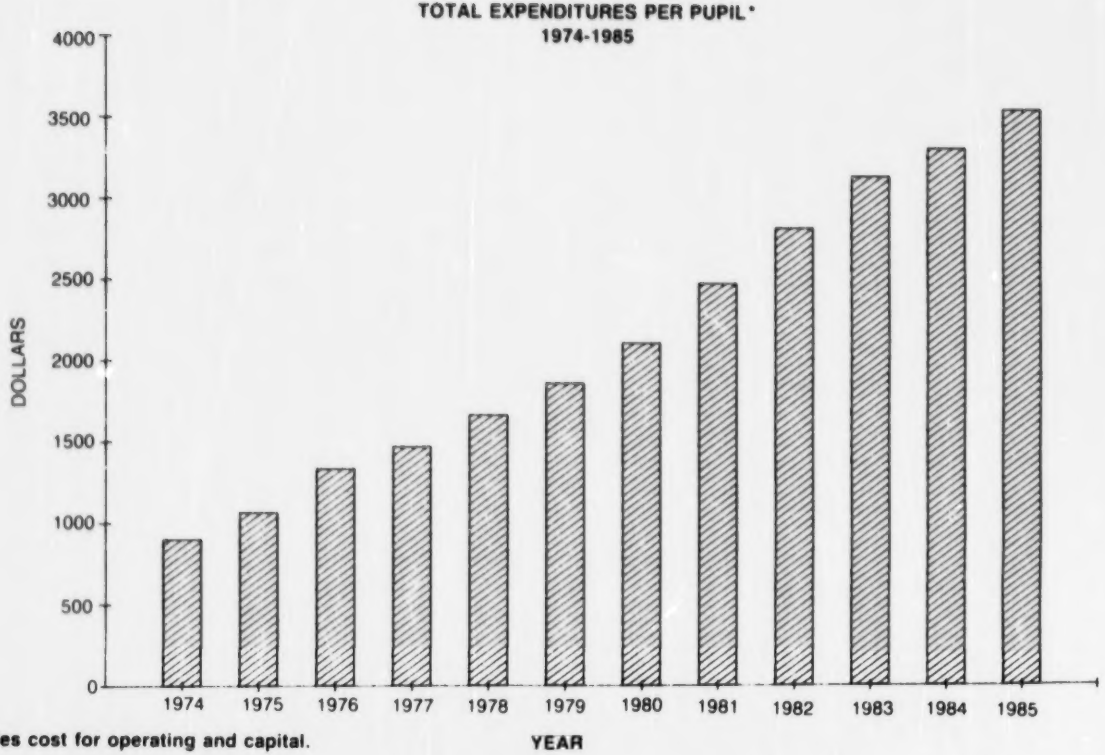


* "Other" includes board-generated revenue, federal revenue, tax rebates, income from other boards, and revenue from reserves.

SCHOOL BOARD EXPENDITURES
1985 CALENDAR YEAR



Total School Board Expenditures $610,457,823



*Includes cost for operating and capital.

DEPARTMENT OF EDUCATION
SUMMARY OF OPERATING EXPENDITURES
FOR THE PERIOD APRIL 1, 1985, TO MARCH 31, 1986

Senior Management		$ 798,000
Finance and Budgeting		2,648,945
Teachers Pensions		27,218,848
Grants and Assistance		
School Book Bureau	$ 5,194,797	
School Board Grants	498,870,581	
Student Aid	10,219,500	
		514,284,877
Curriculum Development		5,275,274
Education Resource Services		11,731,188
School Planning and Inspection		1,383,910
Program Services		690,919
Nova Scotia Teachers College - Less charge to MPHEC		—
Total Expenditures*		$564,031,961

* All figures are net of revenue and less chargeables.

NOTE: In addition to operating expenditures, total capital grants to district school boards and capital expenditures by the Department of Education were $6,673,248.

ENROLMENTS BY AGE, GRADE AND SEX
PROVINCIAL SUMMARY, SEPTEMBER 30, 1985

KEY

Elem — Elementary
SR — Senior
TMH — Trainable Mentally Handicapped
BE — Business Education
JR — Junior
EMH — Educable Mentally Handicapped
Other — Other Special Education
VOC — Vocational programs operated by district school boards

Grade		5 and Under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and Over		Total
Primary	M	6,186	412	7															M	6,605
	F	5,877	243	5															F	6,125
	T	12,063	655	12															T	12,730
Grade 1	M	32	5,686	670	28	2	1												M	6,419
	F	54	5,599	373	21	2													F	6,049
	T	86	11,285	1,043	49	4	1												T	12,468
Grade 2	M		73	5,205	889	52	2												M	6,221
	F		83	5,339	486	34	2												F	5,944
	T		156	10,544	1,375	86	4												T	12,165
Grade 3	M			110	5,061	1,026	126	3											M	6,326
	F		4	134	5,191	598	51	1	1										F	5,960
	T		4	244	10,252	1,624	177	4	1										T	12,306
Grade 4	M			1	113	5,273	1,186	215	20	3									M	6,811
	F			1	160	5,261	618	81	5	3									F	6,129
	T			2	273	10,534	1,804	296	25	6									T	12,940
Grade 5	M				1	178	4,945	1,212	302	27	2								M	6,667
	F				2	201	5,108	736	142	9	2		1						F	6,201
	T				3	379	10,053	1,948	444	36	4		1						T	12,868

ENROLMENTS BY AGE, GRADE AND SEX
PROVINCIAL SUMMARY, SEPTEMBER 30, 1985
(Continued)

Grade		5 and Under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and over		Total
Grade 6	M						200	4,722	1,318	360	49	3		2					M	6,654
	F					2	274	5,050	780	187	17								F	6,310
	T					2	474	9,772	2,098	547	66	3		2					T	12,964
Elem EMH	M	1	11	16	38	48	52	72	60	46	3	2	2			1	1		M	353
	F	1	5	16	16	39	34	47	34	13	2			1					F	208
	T	2	16	32	54	87	86	119	94	59	5	2	2	1		1	1		T	561
Elem TMH	M	4	7	14	17	18	25	12	12	6	11	6	3	1	2	1		1	M	140
	F	5	10	10	6	8	14	18	11	5	8	3	2	3	5	3	5		F	116
	T	9	17	24	23	26	39	30	23	11	19	9	5	4	7	4	5	1	T	256
Elem Other	M	9	22	35	31	43	39	44	59	23	1	6	1				4		M	317
	F	8	25	15	11	19	15	21	24	9	8	4	1	1					F	161
	T	17	47	50	42	62	54	65	83	32	9	10	2	1			4		T	478
Elementary Sub-total	M	6,232	6,211	6,058	6,178	6,640	6,576	6,280	1,771	465	66	17	6	3	2	2	5	1	M	46,513
	F	5,945	5,969	5,893	5,893	6,164	6,116	5,954	997	226	37	7	4	5	5	3	5		F	43,223
	T	12,177	12,180	11,951	12,071	12,804	12,692	12,234	2,768	691	103	24	10	8	7	5	10	1	T	89,736
Grade 7	M						1	180	4,704	1,774	791	188	27	3	2				M	7,670
	F						1	228	5,160	1,098	349	80	18	4		1			F	6,939
	T						2	408	9,864	2,872	1,140	268	45	7	2	1			T	14,609
Grade 8	M							1	188	4,465	1,728	885	252	26	7		2		M	7,554
	F								278	4,952	1,235	489	117	29	2	1			F	7,103
	T							1	466	9,417	2,963	1,374	369	55	9	1	2		T	14,657
Grade 9	M								2	216	4,423	1,595	718	230	43	8	1		M	7,236
	F									273	4,985	1,233	479	144	28	7	2		F	7,151
	T								2	489	9,408	2,828	1,197	374	71	15	3		T	14,387

ENROLMENTS BY AGE, GRADE AND SEX
PROVINCIAL SUMMARY, SEPTEMBER 30, 1985
(Continued)

Grade		5 and Under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and over		Total
Jr EMH	M								11	37	71	62	39	18	14	7	3	1	M	263
	F								6	30	35	36	21	13	1	4	3	1	F	150
	T								17	67	106	98	60	31	15	11	6	2	T	413
Jr TMH	M							1	2	10	12	9	10	12	18	13	5	2	M	94
	F							3	3	7	7	12	11	5	7	14	6	2	F	77
	T							4	5	17	19	21	21	17	25	27	11	4	T	171
Jr Other	M							2	7	27	70	48	19	7	2		1		M	183
	F								4	14	15	18	14	7	1	1		1	F	75
	T							2	11	41	85	66	33	14	3	1	1	1	T	258
JUNIOR	M						1	184	4,914	6,529	7,095	2,787	1,065	296	86	28	12	3	M	23,000
Sub-total	F						1	231	5,451	6,374	6,626	1,868	660	202	39	28	11	4	F	21,495
	T						2	415	10,365	12,903	13,721	4,655	1,725	498	125	56	23	7	T	44,495
Grade 10	M									2	211	3,870	1,508	759	280	74	10	7	M	6,721
	F									2	261	4,428	1,263	503	147	39	14	15	F	6,672
	T									4	472	8,298	2,771	1,262	427	113	24	22	T	13,393
Grade 11	M										1	213	3,371	1,329	610	169	41	19	M	5,753
	F										2	291	3,899	1,192	392	109	32	34	F	5,951
	T										3	504	7,270	2,521	1,002	278	73	53	T	11,704
Grade 12	M											4	205	2,964	1,376	495	113	51	M	5,208
	F											10	320	3,593	1,109	366	100	71	F	5,569
	T											14	525	6,557	2,485	861	213	122	T	10,777
SR BE	M														1	3	2	1	M	7
	F													20	74	37	16	36	F	183
	T													20	75	40	18	37	T	190

ENROLMENTS BY AGE, GRADE AND SEX
PROVINCIAL SUMMARY, SEPTEMBER 30, 1985
(Continued)

Grade		5 and under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and over		Total
SR EMH	M									1	2	14	17	18	9	4	2		M	67
	F									1		5	14	12	10	4	1		F	47
	T									2	2	19	31	30	19	8	3		T	114
SR TMH	M											1		4	3	6	4	1	M	19
	F										1	2	1	1	4	4	4	2	F	19
	T										1	3	1	5	7	10	8	3	T	38
SR Other	M										14	89	167	129	67	29	9	11	M	515
	F										4	26	52	51	26	13	4	5	F	181
	T										18	115	219	180	93	42	13	16	T	696
Senior	M									3	228	4,191	5,268	5,203	2,346	780	181	90	M	18,290
Sub-Total	F									3	268	4,762	5,549	5,372	1,762	572	171	163	F	18,622
	T									6	496	8,953	10,817	10,575	4,108	1,352	352	253	T	36,912
VC 1 YR	M												2	5	31	24	21	25	M	108
	M												1	14	86	45	28	45	F	219
	T												3	19	117	69	49	70	T	327
VOC 1	M											22	33	49	95	49	37	29	M	314
	F											4	18	18	20	15	12	11	F	98
	T											26	51	67	115	64	49	40	T	412
VOC 2	M												28	41	43	71	44	38	M	265
	F											2	25	21	14	18	9	7	F	96
	T											2	53	62	57	89	53	45	T	361
VOC 3	M													21	26	14	6		M	67
	F												1	24	14	4	2		F	45
	T												1	45	40	18	8		T	112

ENROLMENTS BY AGE, GRADE AND SEX
PROVINCIAL SUMMARY, SEPTEMBER 30, 1985
(Continued)

Grade		5 and under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and over		Total
VOC DISTRICT	M										2	32	70	58	18	3	1		M	184
Other	F										1	12	32	24	2	4			F	75
	T										3	44	102	82	20	7			T	259
DIST VOC	M										2	54	133	174	213	161	109	92	M	938
Sub-Total	F										1	18	77	101	136	86	51	63	F	533
	T										3	72	210	275	349	247	159	155	T	1,471
DISTRICT	M	6,232	6,211	6,058	6,178	6,640	6,577	6,464	6,685	6,997	7,391	7,049	6,472	5,676	2,647	971	307	186	M	88,741
Total	F	5,945	5,969	5,893	5,893	6,164	6,117	6,185	6,448	6,603	6,932	6,655	6,290	5,680	1,942	689	238	230	F	83,873
	T	12,177	12,180	11,951	12,071	12,804	12,694	12,649	13,133	13,600	14,323	13,704	12,762	11,356	4,589	1,660	545	416	T	172,614

ENROLMENTS BY SCHOOL BOARD*
1976-77 TO 1985-86

SCHOOL BOARD	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
Annapolis	5,130	5,016	4,845	4,694	4,643	4,501	4,496	4,396	4,327	4,219
Antigonish	5,056	5,048	4,927	4,911	4,901	4,900	4,842	4,861	4,826	4,783
Cape Breton	26,477	25,639	24,887	24,119	23,441	22,909	22,371	21,928	21,323	20,768
Clare-Argyle	4,141	4,061	3,982	3,946	3,848	3,722	3,665	3,554	3,459	3,344
Colchester-E. Hants	14,229	14,143	13,894	13,573	13,268	13,266	13,257	13,245	13,232	13,210
Cumberland	8,134	7,973	7,858	7,641	7,418	7,238	7,167	6,983	6,843	6,641
Dartmouth	16,678	15,889	15,142	14,298	13,620	13,073	12,541	12,088	11,823	11,443
Digby	2,914	2,837	2,757	2,686	2,664	2,600	2,533	2,526	2,501	2,477
Guysborough	3,230	3,189	3,120	3,071	3,050	3,048	2,989	2,951	2,878	2,740
Halifax	21,753	20,811	19,788	18,798	18,156	17,348	16,902	16,540	15,958	15,430
Halifax Co-Bedford	25,827	26,512	27,225	27,262	27,239	27,220	27,363	27,608	27,924	28,186
Hants West	4,246	4,172	4,080	3,916	3,884	3,701	3,616	3,605	3,648	3,714
Inverness	5,725	5,716	5,736	5,673	5,561	5,440	5,383	5,194	5,150	5,070
Kings	12,533	12,276	11,843	11,476	11,334	11,107	11,060	11,165	11,060	11,141
Lunenburg	9,072	9,075	9,051	8,943	8,837	8,752	8,714	8,644	8,689	8,537
Northside-Victoria	9,747	9,512	9,173	8,891	8,701	8,445	8,203	7,950	7,759	7,596
Pictou	11,652	11,525	11,377	11,303	11,352	11,153	11,138	11,080	11,008	10,831
Queens	2,948	2,970	2,938	2,875	2,786	2,728	2,696	2,704	2,670	2,648
Richmond	3,513	3,498	3,427	3,361	3,250	3,104	3,055	3,034	2,961	2,855
Shelburne	3,926	3,879	3,825	3,677	3,624	3,588	3,547	3,477	3,457	3,380
Yarmouth	3,983	3,932	3,863	3,820	3,690	3,545	3,486	3,435	3,418	3,337

ENROLMENTS BY SCHOOL BOARD*
1976-77 TO 1985-86
(Continued)

SCHOOL BOARD	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
Hantsport	358	346	332	324	318	297	278	272	268	264
Provincial Totals	201,272	198,019	194,070	189,258	185,585	181,685	179,302	177,240	175,182	172,614

* For the years prior to the formation of the district school boards, the figures represent the total enrolments in the areas now served by the district boards.

PUPIL/TEACHER RATIO BY SCHOOL BOARD*
1976-77 TO 1985-86

School Board	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
Annapolis	17.8	17.7	17.3	16.5	16.6	16.1	16.4	16.0	15.8	16.2
Antigonish	18.5	18.3	17.8	17.5	17.6	17.6	17.7	17.9	17.4	17.3
Cape Breton	19.0	18.8	18.2	17.8	17.6	17.2	17.2	17.3	16.7	16.6
Clare-Argyle	17.7	17.2	17.1	16.8	17.0	16.3	15.9	15.3	15.1	15.5
Colchester-E. Hants	20.3	19.6	19.4	18.7	18.4	18.2	17.8	17.7	17.5	17.5
Cumberland	18.3	17.9	17.9	17.4	16.9	16.5	16.9	17.3	16.8	16.6
Dartmouth	18.1	17.4	16.9	16.2	16.1	15.8	15.0	14.7	14.8	14.6
Digby	17.9	17.4	16.8	16.9	16.5	16.0	15.8	16.4	16.5	16.2
Guysborough	17.3	16.8	16.3	16.3	16.2	16.1	16.0	15.5	15.1	15.1
Halifax	15.5	15.1	14.3	14.1	13.8	13.6	13.5	13.9	13.2	13.1
Halifax Co-Bedford	18.7	18.1	17.4	17.3	16.8	16.4	16.7	17.2	16.9	16.5
Hants West	19.4	18.5	19.2	18.2	18.6	18.1	17.2	17.4	17.8	17.4
Inverness	17.0	16.3	16.5	16.3	15.8	15.2	15.7	15.9	15.9	16.1
Kings	19.2	18.8	17.7	17.1	17.1	16.7	16.6	16.5	15.9	16.0
Lunenburg	20.1	19.6	19.5	18.7	18.2	17.7	17.3	17.1	17.3	16.8
Northside-Victoria	18.1	17.5	17.5	17.5	17.2	17.2	16.7	16.7	16.6	16.3
Pictou	20.2	19.7	20.0	19.2	19.4	18.8	17.8	17.3	17.1	17.2
Queens	20.1	20.1	19.7	19.0	18.6	18.3	17.9	17.2	17.2	16.7
Richmond	16.3	16.0	15.4	15.0	14.8	14.0	14.5	15.6	15.6	15.2
Shelburne	18.8	18.6	18.5	17.7	17.5	17.5	17.6	17.0	17.7	17.2
Yarmouth	20.6	20.4	18.8	18.5	18.2	17.2	16.7	17.0	17.2	16.7
Hantsport	17.9	17.3	17.5	18.0	16.7	16.5	14.6	15.1	14.9	14.7
Provincial Totals	18.4	17.9	17.5	17.1	16.8	16.5	16.4	16.5	16.2	16.1

* For the years prior to the formation of the district school boards, the figures represent the ratios in the areas now served by the district boards.

TEACHERS BY CERTIFICATE AND YEARS OF SERVICE*
SEPTEMBER 30, 1985

Certificate	Total	TEACHING YEAR									
		1	2	3	4	5	6	7	8	9	10	Max
TC 8	396	2			1	1	3	3	5	3	3	375
TC 7	1,259	11	1		9	5	5	20	20	23	32	1,133
TC 6	3,692	37	18	15	41	62	79	90	125	159	144	2,922
TC 5	3,890	163	110	87	94	149	160	175	197	185	190	2,380
TC 4	902	31	23	29	32	46	36	44	40	27		594
TC 3	282			1	1	2	2	2	1			273
TC 2	133											133
TC 1	18											18
Permit	1	1										
VTC IV	21	1							1		1	18
VTC III	16				1			1	2	1	4	7
VTC II	49				4	3	2	1	4	1	5	29
VTC I	2											2
VTP A	10	1	3	2	3		1					
Expired	80	1	4	8	30	10	3	3	3	5	1	12
Total	10,751	248	159	142	216	278	291	339	398	404	380	7,896

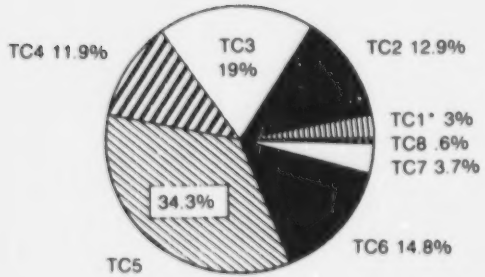
* Excludes the following teaching positions: sabbatical leave, Department of National Defence, substitutes, Term B and C, leave of absence, educational leave, and sick leave.

TEACHERS BY CERTIFICATE BY BOARD
SEPTEMBER 30, 1985

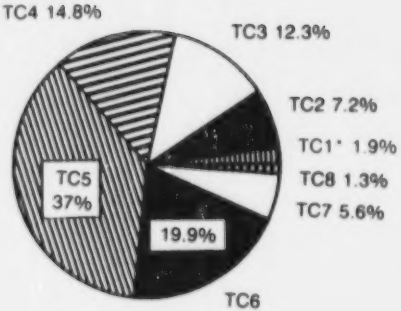
School Board	Total	TC8	TC7	TC6	TC5	TC4	TC3	TC2	TC1	Permit	EXCH AGMT	VTC4	VTC3	VTC2	VTC1	VPA	NBC*
Annapolis	261	3	12	84	108	29	12	6	2								5
Antigonish	277	14	44	102	81	23	7	2						1			3
Cape Breton	1,253	83	160	527	361	64	32	16			1						9
Clare-Argyle	216	1	28	70	84	17	10	6									
Col.-E. Hants	753	17	71	236	284	93	17	4	1			7	5	10		4	4
Cumberland	400	5	20	103	186	56	14	12			1			2			1
Dartmouth	780	36	115	309	256	43	10		2		4			2			3
Digby	153	2	13	42	65	25	3	1						1			1
Guysborough	182	2	17	59	68	19	7	4			1			1			4
Hfx. City	1,178	102	222	417	362	36	17	6	2		2		3	4			5
Hfx. Co.-Bed.	1,707	51	216	577	664	116	35	9	3		5	1	2	2		2	24
Hants West	214	5	21	66	93	19	2	6	1	1							
Inverness	315	8	33	111	124	21	9	9									
Kings	698	15	69	237	254	61	12	9	1		1	9	3	18		4	5
Lunenburg	507	7	46	162	181	71	27	5	1								7
N'side-Vic.	465	17	51	163	137	40	24	15	3			4	3	7	1		
Pictou	631	14	54	203	255	75	14	10	1		2						3
Queens	159	4	15	36	71	23	2	3									5
Richmond	188	3	25	66	63	16	10	4							1		
Shelburne	196	5	14	46	93	25	7	5						1			
Yarmouth	200	1	10	63	86	25	11	1	1		1						1
Hantsport	18		2	5	7	4											
Total	10,751	395	1,258	3,684	3,883	901	282	133	18	1	18	21	16	49	2	10	80

*NBC - expired certificate on the date these figures were gathered.

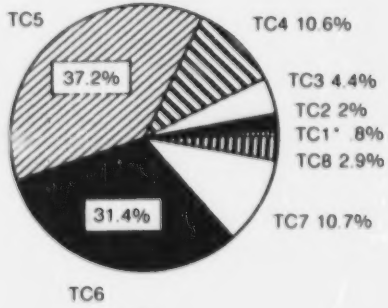
TEACHERS BY CERTIFICATE FOR SELECTED YEARS



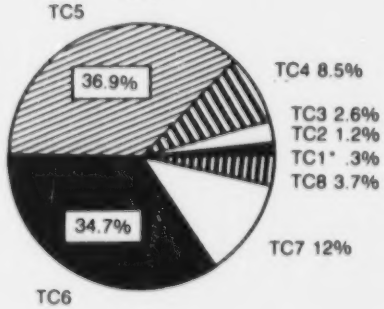
1971



1975



1981



1985

*Includes TC1 and Under

NUMBER OF TEACHERS BY BOARD*
TO 1985-86

School Board	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
Annapolis	289	283	280	284	280	279	274	274	273	261
Antigonish	274	276	277	280	279	279	274	271	277	277
Cape Breton	1,394	1,367	1,370	1,354	1,335	1,330	1,301	1,265	1,274	1,253
Clare-Argyle	234	236	233	235	227	228	231	233	229	216
Colchester-E. Hants	700	722	718	725	720	728	743	748	754	753
Cumberland	445	445	439	439	438	438	425	404	407	400
Dartmouth	922	911	895	884	848	827	838	825	801	780
Digby	163	163	164	159	161	163	160	154	152	153
Guysborough	187	190	191	188	188	189	187	190	190	182
Halifax	1,403	1,379	1,382	1,335	1,319	1,274	1,254	1,194	1,206	1,178
Halifax Co-Bedford	1,378	1,467	1,563	1,573	1,623	1,661	1,642	1,606	1,654	1,707
Hants West	219	225	213	215	209	205	210	207	205	214
Inverness	337	350	348	349	351	357	343	327	324	315
Kings	654	653	669	671	664	664	667	675	695	698
Lunenburg	451	464	463	477	486	494	505	506	503	507
Northside-Victoria	538	543	524	509	505	492	491	477	468	465
Pictou	577	584	569	588	584	593	625	639	645	631
Queens	147	148	149	151	150	149	151	157	155	159
Richmond	215	219	222	224	220	221	211	194	190	188
Shelburne	209	209	207	208	207	205	201	204	195	196
Yarmouth	193	193	206	206	203	206	209	202	199	200
Hantsport	20	20	19	18	19	18	19	18	18	18
Provincial Totals	10,949	11,047	11,101	11,072	11,016	11,000	10,961	10,770	10,814	10,751

*For the years prior to the formation of the district school boards, the figures represent the number of teachers in the areas now served by the district boards.

TEACHERS BY CERTIFICATE, AGE, AND SEX
SEPTEMBER 1985

Certificate		Total	20 To 24	25 To 29	30 To 34	35 To 39	40 To 44	45 To 49	50 To 54	55 To 59	60 To 64	65 To 69	70 and Over
TC8	Male	290			12	61	107	58	31	16	4	1	
	Female	105		1	9	21	16	19	17	16	5	1	
	Total	395		1	21	82	123	77	48	32	9	2	
TC7	Male	867		3	92	272	239	125	90	32	14		
	Female	391		14	61	108	64	54	50	28	12		
	Total	1,258		17	153	380	303	179	140	60	26		
TC6	Male	1,846		64	368	625	422	198	98	59	12		
	Female	1,838	3	170	434	527	271	165	153	91	23	1	
	Total	3,684	3	234	802	1,152	693	363	251	150	35	1	
TC5	Male	1,123	35	155	311	312	165	68	43	24	9	1	
	Female	2,760	115	450	650	641	370	226	183	98	26	1	
	Total	3,883	150	605	961	953	535	294	226	122	35	2	
TC4	Male	145	15	40	26	23	20	13	4	3	1		
	Female	756	41	125	167	143	97	78	64	29	12		
	Total	901	56	165	193	166	117	91	68	32	13		
TC3	Male	31			2	12	8	2	2	4	1		
	Female	251			27	58	53	51	39	15	8		
	Total	282			29	70	61	53	41	19	9		
TC2	Male	3					1	1	1				
	Female	130			2	1	22	38	36	25	6		
	Total	133			2	1	23	39	37	25	6		

TEACHERS BY CERTIFICATE, AGE, AND SEX
SEPTEMBER 1985
(Continued)

Certificate		Total	20 To 24	25 To 29	30 To 34	35 To 39	40 To 44	45 To 49	50 To 54	55 To 59	60 To 64	65 To 69	70 and Over
TC1	Male												
	Female	18					1	1	5	8	3		
	Total	18					1	1	5	8	3		
Permit	Male	1		1									
	Female												
	Total	1		1									
Exchange	Male	6		1	1	3	1						
	Female	12		5	3	4							
	Total	18		6	4	7	1						
VTC IV	Male	19			1	1	2	7	6	2			
	Female	2						1			1		
	Total	21			1	1	2	8	6	2	1		
VTC III	Male	15				3	2	5	2	2	1		
	Female	1								1			
	Total	16				3	2	5	2	3	1		
VTC II	Male	45			4	7	12	7	7	4	4		
	Female	4				1			1	2			
	Total	49			4	8	12	7	8	6	4		

TEACHERS BY CERTIFICATE, AGE, AND SEX
SEPTEMBER 1985
(Continued)

Certificate		Total	20 To 24	25 To 29	30 To 34	35 To 39	40 To 44	45 To 49	50 To 54	55 To 59	60 To 64	65 To 69	70 and Over
VTC I	Male	2							1	1			
	Female												
	Total	2							1	1			
VTP A	Male	7				3	3		1				
	Female	3		1	1	1							
	Total	10		1	1	4	3		1				
Expired	Male	30	1	11	10	5		3					
	Female	50	2	23	10	6	3	3	1	1	1		
	Total	80	3	34	20	11	3	6	1	1	1		
Total	Male	4,430	51	275	827	1,327	982	487	286	147	46	2	
	Female	6,321	161	789	1,364	1,511	897	636	549	314	97	3	
	Total	10,751	212	1,064	2,191	2,838	1,879	1,123	835	461	143	5	

TEACHERS BY LEVELS TAUGHT AND CERTIFICATE
FEBRUARY, 1986

Single Level[1]	Total	TC8	TC7	TC6	TC5	TC4	TC3	TC2	TC1	Permit	EXCH AGMT	VTC4	VTC3	VTC2	VTC1	VPA	NBC*
Elementary	5,405	95	384	1,703	2,237	630	197	110	17		12						20
Junior	3,571	126	456	1,299	1,316	238	79	25	1	1	1	1	1	8	1		18
Senior	2,798	161	460	1,119	867	95	34	6		1	3	6	7	23	2	5	9
Vocational	81	1	4	10	9	3						14	8	26		6	
Multi-Level																	
Elementary-Junior	583	24	83	205	211	45	8	3									4
Elementary-Senior	194	18	37	78	46	9	4										2
Junior-Senior	1,063	42	123	416	374	61	29	5		1				4	1		7
Junior-Vocational	1			1													
Senior-Vocational	9	1	1	2										3		2	
Board Supervisory Personnel[2]	186	40	77	54	15												
School Supervisory Personnel[3]	377	54	148	137	29	3	1				3	1					1
Total	10,753	410	1,321	3,695	3,884	862	274	133	18	1	19	22	16	50	2	9	37

[1]Level categories overlap; e.g., a teacher of grades 6 and 7 is reported under the categories 7-9, 7-12, P-6, and P-12.

[2]e.g., chief education officer, curriculum supervisor, sub-system supervisor.

[3]e.g., non-teaching principal or vice-principal

NBC* - expired certificate on the date these figures were gathered.

TEACHERS BY CERTIFICATE AND DEGREE
SEPTEMBER 30, 1985
(excluding Regional Vocational Schools)

Certificate	Percentage With Degree
TC8	96.6
TC7	92.7
TC6	78.6
TC5	62.9
TC4	11.8
TC3	
TC2	
TC1	
Permit	100.0
VTC IV	22.7
VTC III	
VTC II	
VTC I	
VTP A	11.1
Expired	94.6
Total	66.3

RATIO OF ADMINISTRATORS, SPECIALISTS, AND REGULAR TEACHERS PER STUDENT
SEPTEMBER 30, 1985

District	Administration			Special Subjects			Special Education			Regular			Total	
	No.	%	PTR	No.	%	PTR	No.	%	PTR	No.	%	PTR	No.	PTR
Annapolis	27	10.6	156.2	42	16.6	99.7	16	6.5	254.0	169	66.3	25.0	254	16.5
Antigonish	41	14.8	116.7	41	14.8	116.7	19	6.9	251.7	176	63.5	27.2	277	17.3
Cape Breton	170	13.6	122.2	184	14.8	112.9	81	6.5	256.4	810	65.1	25.6	1245	16.7
Clare/Argyle	25	11.7	133.8	18	8.4	185.8	14	6.5	238.9	157	73.4	21.3	214	15.6
Colchester - E. Hants	85	11.4	155.4	147	19.6	90.0	45	6.0	293.6	470	63.0	28.1	747	17.7
Cumberland	47	12.0	141.3	66	16.9	100.6	23	5.9	287.5	254	65.1	26.1	390	17.0
Dartmouth	97	12.8	118.0	138	18.2	82.9	61	8.0	188.2	464	61.1	24.6	760	15.1
Digby	16	10.5	154.8	23	15.0	107.7	8	5.2	309.6	106	69.3	23.4	153	16.2
Guysborough	27	15.0	101.5	36	19.9	76.1	12	6.9	219.2	105	58.2	26.1	180	15.2
Halifax	145	12.6	106.4	217	18.9	71.1	94	8.1	165.0	694	60.4	22.2	1150	13.4
Halifax Co.-Bedford	228	13.7	123.6	304	18.2	92.7	119	7.1	236.5	1018	61.0	27.7	1669	16.9
Hants West	22	10.5	168.8	35	16.6	107.0	14	6.8	259.7	138	66.1	26.9	209	17.8
Inverness	33	10.6	153.6	44	14.3	113.9	14	4.3	375.6	220	70.7	23.0	311	16.3
Kings	65	9.8	171.3	126	19.1	88.0	42	6.3	265.1	428	64.7	26.0	662	16.8
Lunenburg	65	13.3	131.3	71	14.6	119.6	36	7.3	238.5	318	64.9	26.8	490	17.4
Northside-Victoria	56	12.1	135.6	84	18.3	89.9	28	6.2	266.5	292	63.4	26.0	461	16.5
Pictou	72	11.5	150.4	92	14.7	118.3	38	6.1	285.0	422	67.7	25.6	624	17.4
Queens	19	12.0	139.4	23	14.5	115.1	10	6.3	264.8	106	67.1	25.0	158	16.7
Richmond	28	14.9	102.0	26	13.8	109.8	14	7.4	203.9	120	63.8	23.8	188	15.2
Shelburne	23	11.8	147.0	32	16.2	107.3	12	6.2	281.7	128	65.8	26.4	195	17.4
Yarmouth	24	12.4	139.0	27	13.9	123.6	15	7.7	222.5	128	66.0	26.0	194	17.2

RATIO OF ADMINISTRATORS, SPECIALISTS, AND REGULAR TEACHERS PER STUDENT
SEPTEMBER 30, 1985
(Continued)

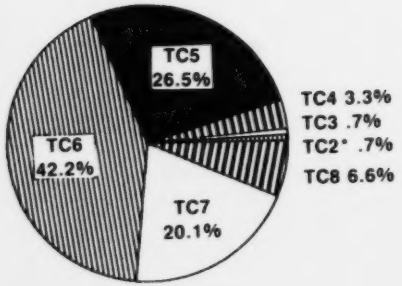
District	Administration			Special Subjects			Special Education			Regular			Total	
	No.	%	PTR	No.	%	PTR	No.	%	PTR	No.	%	PTR	No.	PTR
Hantsport	1	5.7	264.0	3	19.5	77.6	1	5.7	264.0	12	69.0	22.0	17	15.2
District Totals	1,316	12.5	131.2	1,780	16.9	97.0	717	6.8	240.8	6,738	63.9	25.6	10,551	16.4

Administration = Superintendent, Asst. Superintendent, Principal, Vice Principal, Supervisor, Guidance Director, System Consultant, Education Administrator, and Department Head

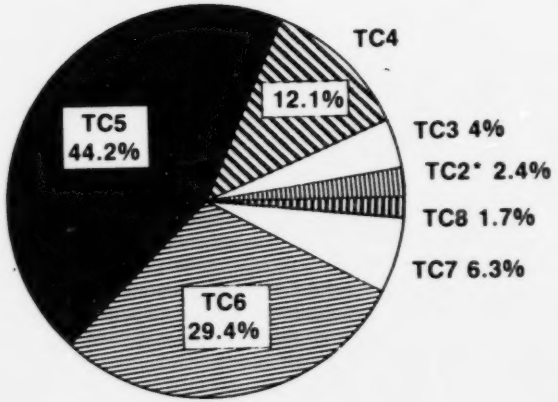
Regular = Regular Classroom, Perm Sub, Home Visit, and Continuing Ed.
Special Subjects = Special Subject Teacher - Home Economics, Music, Art, Physical Education, Industrial.

Because of rounding in reporting the number of full-time equivalents, the columns do not necessarily add exactly to the totals shown.

DISTRIBUTION OF TEACHERS BY CERTIFICATE AND SEX
SEPTEMBER 30, 1985



Male (4,430)



Female (6,321)

*Includes TC2 and under

TEACHERS BY CERTIFICATE AND POSITION
SEPTEMBER 30, 1985

Position		Total	TC8	TC7	TC6	TC5	TC4	TC3	TC2	TC1	Permit	EXCH AGMT	VTC4	VTC3	VTC2	VTC1	VPA	NBC*
Superintendents and Assistants	Male	47	9	21	15	2												
	Female	2		2														
	Total	49	9	23	15	2												
Supervisors and System Consultants	Male	91	20	41	26	2								1	1			
	Female	56	7	17	21	11												
	Total	147	27	58	47	13								1	1			
Principals	Male	401	50	145	171	31	3								1			
	Female	120	6	26	35	26	16	9	2									
	Total	531	56	171	206	57	19	9	2						1			
Vice-Principals	Male	264	36	99	102	19	4	1					1		1			1
	Female	74	1	22	25	21	4	1										
	Total	338	37	121	127	40	8	2					1		1			1
Department Heads	Male	179	22	52	69	29	2						3	1	1			
	Female	66	4	10	31	17	3	1										
	Total	245	26	62	100	46	5	1					3	1	1			
Reg. Classroom Teachers and Specialists	Male	3,448	153	509	1,463	1,040	136	30	3		1	6	15	13	41	2	7	29
	Female	6,003	87	314	1,726	2,695	733	240	128	18		12	2	1	4		3	50
	Total	9,451	240	823	3,189	3,725	869	270	131	18	1	18	17	14	45	2	10	79

TEACHERS BY CERTIFICATE AND POSITION
SEPTEMBER 30, 1985
(Continued)

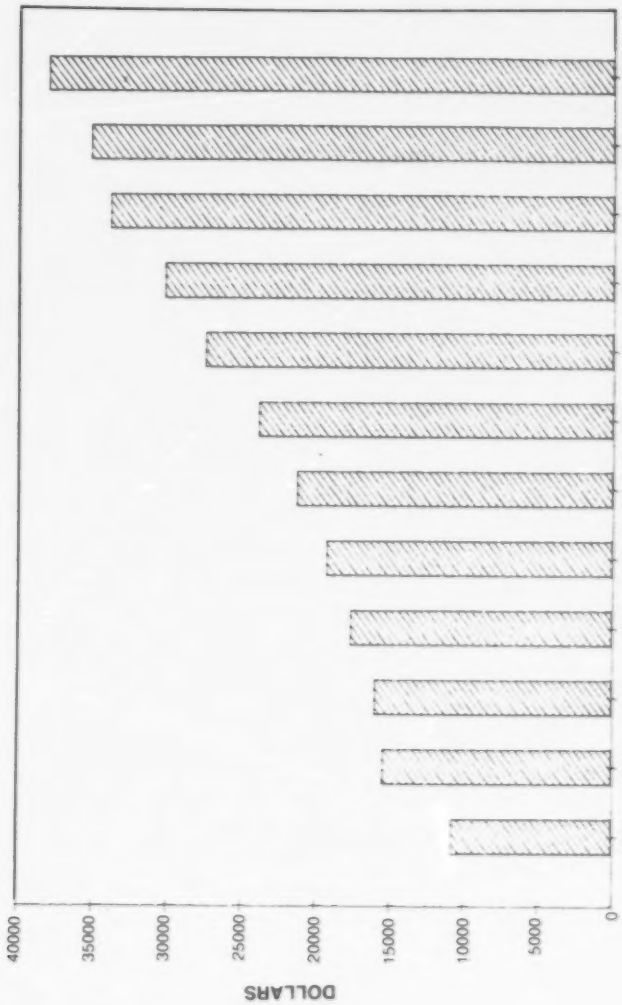
Position		Total	TC8	TC7	TC6	TC5	TC4	TC3	TC2	TC1	Permit	EXCH AGMT	VTC4	VTC3	VTC2	VTC1	VPA	NBC*
Summary	Male	4,430	290	867	1,846	1,123	145	31	3		1	6	19	15	45	2	7	30
	Female	6,321	105	391	1,838	2,760	756	251	130	18		12	2	1	4		3	50
	Total	10,751	395	1,258	3,684	3,883	901	282	133	18	1	18	21	16	49	2	10	80

* NBC - expired certificate on the date these figures were gathered.

AVERAGE SALARY PER TEACHER
SEPTEMBER, 1985

	Number of Teachers	Average Salary
Basic Salary	10,761	$37,537
Supervisory Allowance	1,329	4,943
Total Salary	10,761	38,143

AVERAGE SALARY PER TEACHER*
1974-1985



* Based on salary in effect in September of each year.

NOVA SCOTIA TEACHERS' PENSION FUND
AUDITOR'S REPORT

To the Chairman and Members of the
Nova Scotia Teachers' Pension Commission and to
the Minister of Finance

I have examined the balance sheet of the Nova Scotia Teachers' Pension Fund as at March 31, 1986 and the statement of continuity of fund for the year then ended. My examination was made in accordance with generally accepted auditing standards and accordingly, included such tests and other procedures as I considered necessary in the circumstances.

In my opinion, these financial statements present fairly the financial position of the Fund as at March 31, 1986 and the continuity of the Fund for the year then ended, in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

O.P. Cormier, F.C.A.
Auditor General

Halifax, Nova Scotia
July 29, 1986

PROVINCE OF NOVA SCOTIA
NOVA SCOTIA TEACHERS' PENSION FUND
BALANCE SHEET
AS AT MARCH 31, 1986

Assets

	1986	1985
Cash	$ 2,786,390	$ 417,701
Accounts receivable	7,463,775	8,066,428
Accrued interest receivable	14,950,422	13,110,178
	25,200,587	21,594,307
Investments (Note 2)		
Short term deposits	28,381,545	12,000,000
Bonds and debentures	499,783,176	444,243,907
Mortgages	5,231,576	5,443,025
Common and preferred shares	13,685,881	13,706,520
	547,082,178	475,393,452
	$572,282,765	$496,987,759

Liabilities and Fund Balance

Accounts Payable	$ 4,129,496	$ 3,376,428
Fund Balance	568,153,269	493,611,331
	$572,282,765	$496,987,759

PROVINCE OF NOVA SCOTIA
NOVA SCOTIA TEACHERS' PENSION FUND
STATEMENT OF CONTINUITY OF FUND
FOR THE YEAR ENDED MARCH 31, 1986

		1986	1985
Balance, beginning of year		$493,611,331	$427,744,767
Add:	Teachers' contributions	26,685,258	24,186,668
	Government contributions	26,685,258	24,186,668
	Purchase of prior service	2,257,251	821,529
	Transfers from other pension funds	831,332	287,111
	Income earned on investments	58,765,934	51,101,361
	Amortization of discount and premium on investments	677,670	416,736
		115,902,703	101,000,073
Deduct:	Expenses (Note 4)	226,624	233,582
	Pensions paid	39,508,861	33,474,055
	Refund of contributions	1,230,629	1,073,244
	Transfers to other pension funds	394,651	352,628
		41,360,765	35,133,509
Balance, end of year		$568,153,269	$493,611,331

PROVINCE OF NOVA SCOTIA
NOVA SCOTIA TEACHERS' PENSION FUND
NOTES TO FINANCIAL STATEMENTS
MARCH 31, 1986

1. Authority

Teachers in the Province are entitled to receive pension benefits pursuant to the provisions of a plan established under the Teachers' Pension Act. The operation of the plan is conducted within the Teachers' Pension Fund to which teacher and employer matching contributions and investment income are credited and payments to pensioners and terminating teachers are charged. The Teachers' Pension Fund is invested in federal, provincial, municipal and corporate securities and mortgages eligible for investment under the Provincial Finance Act.

2. Valuation of Investments

Bonds, debentures and coupons of $499,783,176 (1985, $444,243,907) are valued at cost adjusted for the amortization of discounts and premiums over the life of the related security. The face value and the market value of these bonds, debentures and coupons as at March 31, 1986, were $522,390,250 (1985, $457,399,000) and $561,053,922 (1985 $439,692,491) respectively. Generally, investments in bonds and debentures are made with the intention to retain them until maturity at which time they are redeemed for their face value, unless there is an opportunity to exchange or dispose of the bonds and debentures to obtain a higher yield.

Mortgages of $5,231,576 (1985, $5,443,025) are valued at their cost and face value adjusted for amortization of premiums and discounts over seven years.

Short term investments are shown at their cost and face value of $28,381,545 at March 31, 1986.

Common and preferred shares are valued at a cost of $13,685,881 (1985, $13,706,520) at March 31, 1986. The market value of these equity investments at that date was $26,038,565 (1985, $21,478,225).

3. Gains and Losses on Investments

Gains and losses on bonds and debentures exchanged to obtain a higher yeield, as well as, gains and losses on disposals of common and preferred shares, are credited or charged to income in the year of disposition.

4. Administration Expenses

The Fund is charged with expenses of the Teachers' Pension section of the Department of Education together with consultant fees borne by the Department of Finance as follows:

	1986	1985
Salaries	$147,813	$150,129
Supplies and services	36,117	41,317
Professional and special services	35,343	36,311
Travel	6,996	5,825
Other	355	—
	$226,624	$233,582

The costs of the management of investments, as carried out by the Trusts and

Debt Management Division of the Department of Finance, are borne by the Province and are not reflected in these financial statements, except for fees paid to consultants hired to act as advisors on the asset mix of the Fund.

5. Actuarial Valuation

The Teachers' Pension Act requires that the Fund be examined by an actuary every five years. The most recent valuation was made as of July 31, 1979, in an actuarial report received in May, 1981. The report indicates fund liabilities at July 31, 1979, after taking into consideration changes made in the plan in 1980, totalled $679,532,000 of which $221,589,000 was represented by the actuarial value of the fund assets, and $457,943,000 was unfunded.

An actuarial valuation of the Fund as at July 31, 1984 was not completed at July 29, 1986.

NUMBER OF TEACHER-PENSIONERS - JULY 31, 1986

1928 Act

	On Pension July 31, 1985	Number Added	Deaths	Resumed Teaching	Number on Pension July 31, 1986
Service Pensions - Men	-	-	-	-	-
Service Pensions - Women	6	-	-	-	6
Disability Pensions - Men	-	-	-	-	-
Disability Pensions - Women	18	-	-	-	18
Dependents' Pensions	2	-	-	-	2
Subtotal	26	-	-	-	26

1949 Act

	On Pension July 31, 1985	Number Added	Deaths	Resumed Teaching	Number on Pension July 31, 1986
Service Pensions - Men	445	71	15	-	501
Service Pensions - Women	1,948	114	57	-	2,005
Reduced Service - Men	76	3	5	-	74
Reduced Service - Women	786	21	18	-	789
Disability Pension (Total) - Men	54	8	2	1	60
Disability Pension (Total) - Women	138	10	12	-	136
Disability Pension (Partial) - Men	41	2	2	-	41
Disability Pension (Partial) - Women	155	2	3	-	154
Spouses's Pensions	370	48	21	-	397
Subtotal	4,013	279	135	1	4,157
Total	4,039	279	135	1	4,183

1928 Decrease.....0
1949 Increase.....143

NOVA SCOTIA SCHOOL BOOK BUREAU
STATEMENT OF OPERATIONS
FISCAL YEAR APRIL 1, 1985 TO MARCH 31, 1986

Disbursements		
Purchase of Learning Materials	$5,194,797	
Freight and Mailing Costs	84,985	
Salaries	308,421	
Other	56,172	
		$5,644,375
Receipts		
Sales		$ 318,640
Inventories		
On Hand, March 31, 1985		$ 462,474
On Hand, March 31, 1986		550,268
Quantity of Textbooks and Material Distributed		
Textbooks, Primary to Grade 6	635,000	
Textbooks, Grades 7-12	395,000	
Textbooks, Special Education/Specialized Reading	28,000	
Textbooks, Acadiennes	35,000	
Textbooks, Miscellaneous	16,000	
Career Education Materials	38,000	
		$1,147,000
Journal, P & R Releases, Education N.S., Others	130,000	
Cumulative Record Cards, Manuals	15,000	
Teaching Guides, Curriculum Bulletins	22,000	
Miscellaneous	615,000	
		$ 782,000

TOTAL ENROLMENTS — UNIVERSITIES AND COLLEGES

(Full-time students and the full-time equivalent of part-time students)

		1985-86	1984-85
(a)	**Degree Students**		
	Acadia University	3,735	3,733
	Atlantic School of Theology	122	135
	Dalhousie University	9,076	8,912
	Mount Saint Vincent University	2,769	2,468
	Nova Scotia Agricultural College	315	312
	Nova Scotia College of Art and Design	616	595
	Nova Scotia Teachers College	520	539
	Saint Francis Xavier University	2,670	2,629
	Saint Mary's University	3,985	3,872
	Technical University of Nova Scotia	1,119	1,145
	University college of Cape Breton	1,548	1,538
	Université Sainte-Anne	290	282
	University of King's College	527	525
	Total - Degree students	27,292	26,685
(b)	**Technical students**		
	Nova Scotia Agricultural College	210	228
	Nova Scotia Land Survey Institute	160	104
	University College of Cape Breton	589	598
	Total - Technical students	959	930
	Total - All students	28,251	27,615

NOVA SCOTIA TEACHERS COLLEGE ENROLMENTS, 1985-86

Full-time enrolment in the Teacher Education Program as of Dec. 1, 1985	339
New admissions	120
Total number registered in Continuing Education courses:	
Evening Extension	493
Summer School	421
Total	**914**
Enrolment in the Child Development Services Program (on-campus)	209
Number enrolled in the CDS extension program	225
NSTC full-time faculty (including administration and library)	48
Other NSTC staff (full-time)	40
Total number employed in any way at the College including part-time, student assistants, etc.	150

ASSISTANCE TO UNIVERSITIES

Operating Grants	1985-86	1984-85
Acadia University	$ 16,607,440	$ 15,694,700
Atlantic School of Theology	672,650	665,545
Dalhousie University	72,672,760	70,193,558
Mount Saint Vincent University	8,258,790	7,978,403
Nova Scotia Agricultural College	3,129,200	2,908,000
Nova Scotia College of Art and Design	3,652,850	3,590,620
Nova Scotia Land Survey Institute	511,100	511,100
Nova Scotia Teachers College	4,670,829	4,535,646
Saint Francis Xavier University	12,515,610	12,300,742
Saint Mary's University	13,551,310	13,209,470
Technical University of Nova Scotia	12,978,175	12,020,000
University College of Cape Breton	9,556,390	9,056,402
Universite Sainte-Anne	1,888,280	1,902,092
University of King's College	1,588,160	1,495,880
Joint Projects	29,500	29,600
Total - Operating Grants	162,283,044	156,091,758
Recoveries - Foreign Student Fees	(2,401,282)	(2,348,879)
Non-Space, Alterations and Renovations Grants	1,535,450	290,792
Atlantic Veterinary College	444,658	---
Less Chargeable to Canada - Nova Scotia Offshore Development Fund	(16,200,000)	---
University Debt Charges Grants	8,639,421	9,178,212
Recoveries From Other Atlantic Provinces	7,643,300	6,781,872
Capital Grants		
Atlantic Veterinary College	---	101,193
Maritime Forest Ranger School	1,945,175	184,611
Total - Capital Grants	$ 1,945,175	$ 285,804

STUDENT AID

	1985-86	1984-85
Assistance Awarded		
Canada Student Loan	$40,419,318	$36,613,000
Nova Scotia Bursary	$10,219,499	$ 9,197,845
Total Assistance	$50,638,817	$45,810,845
Students Assisted		
Canada Student Loan	14,340	12,396
Nova Scotia Bursary	7,548	7,454
Average Aid per Student		
Canada Student Loan	$ 2,818	$ 2,953
Nova Scotia Bursary	$ 1,353	$ 1,234
Average total aid per student	$ 3,531	$ 3,695
Total Applications Received	15,844	14,730